

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF HAWAII

In the Matter of)	
)	
PUBLIC UTILITIES COMMISSION)	DOCKET NO. 2008-0273
)	
Instituting a Proceeding to Investigate)	
the Implementation of Feed-in Tariffs)	
_____)	

**INFORMATION REQUESTS OF ZERO EMISSIONS LEASING LLC
TO HAWAIIAN ELECTRIC COMPANIES
ON PROPOSED DRAFTS OF TIER 3 TARIFFS**

AND

CERTIFICATE OF SERVICE

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PUBLIC UTILITIES
COMMISSION

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FILED

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**INFORMATION REQUESTS OF ZERO EMISSIONS LEASING LLC
TO HAWAIIAN ELECTRIC COMPANIES
ON PROPOSED DRAFTS OF TIER 3 TARIFFS**

ZERO EMISSIONS LEASING LLC (“Zero Emissions”) respectfully submits the following information requests (“ZE-IRs”) to HAWAIIAN ELECTRIC COMPANY, INC., MAUI ELECTRIC COMPANY, LIMITED and HAWAII ELECTRIC LIGHT COMPANY, INC. (the “Hawaiian Electric Companies”) in the above-referenced proceeding:

ZE-IR-108

For each utility electric system on the islands of Oahu, Hawaii, Maui, Molokai and Lanai: how much as-available renewable energy could be added to the electric system of each island without compromising electric system reliability based on the regulating capacity of the utility’s must-run and dispatchable non-renewable generation, taking into account any displacement of the utility’s dispatchable non-renewable generation by the added as-available renewable energy generation?

ZE-IR-109

For each utility electric system on the islands of Oahu, Hawaii, Maui, Molokai and Lanai: how much of the as-available renewable energy that could be added to the electric system of each island without compromising electric system reliability should the utility be obliged to purchase based on the relative costs and benefits of the added as-available renewable energy and any dispatchable non-renewable energy displaced by the added as-available renewable energy?

ZE-IR-110

Please produce all results obtained from the General Electric Positive Sequence Load Flow (PSLF) models for the utility electric systems on the islands of Oahu, Hawaii and Maui, and all input assumptions used to obtain such results.

ZE-IR-111

Please produce all results obtained from the Simulink model for the utility electric system on the island of Lanai, and all input assumptions used to obtain such results.

ZE-IR-112

Please produce all results obtained from the General Electric Multi-Area Production Simulation (MAPS) models for the utility electric systems on the islands of Oahu, Hawaii and Maui, and all input assumptions used to obtain such results.

ZE-IR-113

Please produce all studies and/or reports relating to the General Electric PSLF models for the utility electric systems on the islands of Oahu, Hawaii and Maui.

ZE-IR-114

Please produce all studies and/or reports relating to the Simulink model for the utility electric system on the island of Lanai.

ZE-IR-115


Please produce all studies and/or reports relating to the General Electric MAPS models for the utility electric systems on the islands of Oahu, Hawaii and Maui.

ZE-IR-116

Please produce all documents relating to the load duration curves depicted in Attachment 4 to the *HECO Companies Report on Reliability Standards* filed on February 8, 2010 in this docket, including all documents showing what models and what input assumptions were used to generate such load duration curves.

* * * *

DATED: Honolulu, Hawaii, April 8, 2010


Erik Kvam
Chief Executive Officer
Zero Emissions Leasing LLC

CERTIFICATE OF SERVICE

I hereby certify that I have this date filed and served the original and eight copies of the foregoing **INFORMATION REQUESTS OF ZERO EMISSIONS LEASING LLC TO HAWAIIAN ELECTRIC COMPANIES ON PROPOSED DRAFTS OF TIER 3 TARIFFS** in Docket No. 2008-0273, by hand delivery to the Commission at the following address:

CARLITO CALIBOSO
PUBLIC UTILITIES COMMISSION
465 S. King Street, Suite 103
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I further certify that copies of the foregoing **INFORMATION REQUESTS OF ZERO EMISSIONS LEASING LLC TO HAWAIIAN ELECTRIC COMPANIES ON PROPOSED DRAFTS OF TIER 3 TARIFFS** have been served upon the following parties and participants by causing copies hereof to be hand delivered, mailed by first class mail or electronically transmitted to each such party as follows:

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2 copies
Via Hand Delivery

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DATED: Honolulu, Hawaii, April 8, 2010


ERIK KVAM